Figure 1

AUTHENTICATION BASED ON MAG-STRIPE CARD, SMART CHIP, AND PIN

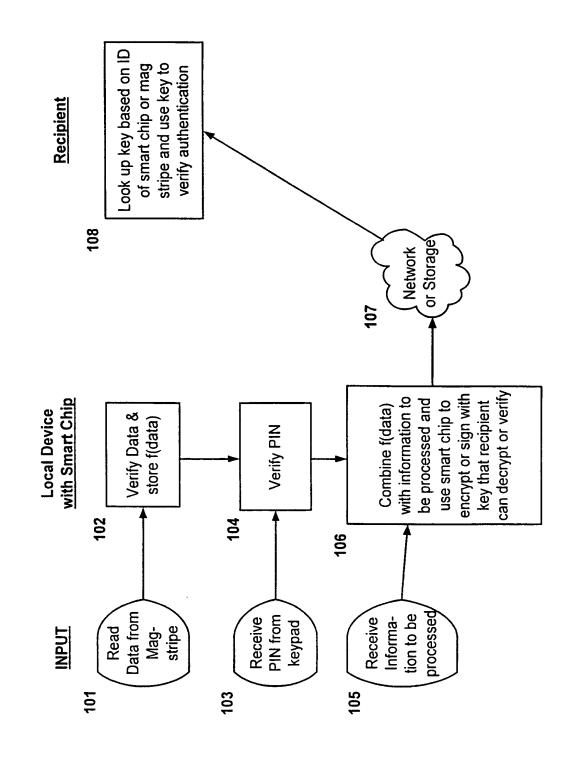
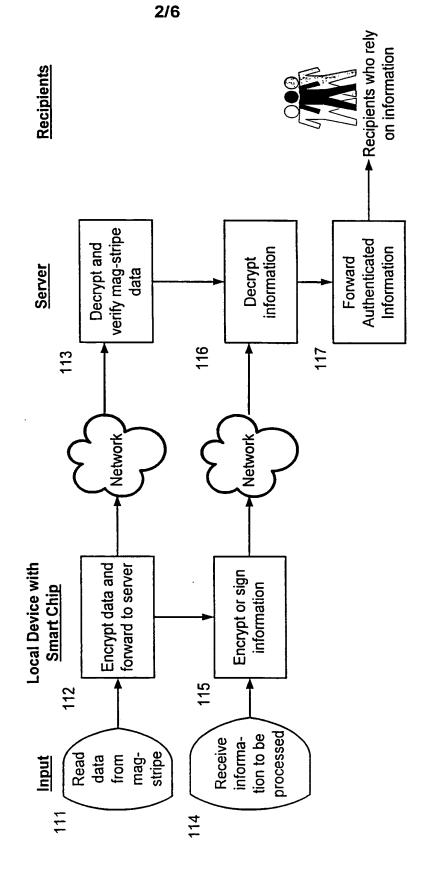


Figure 2

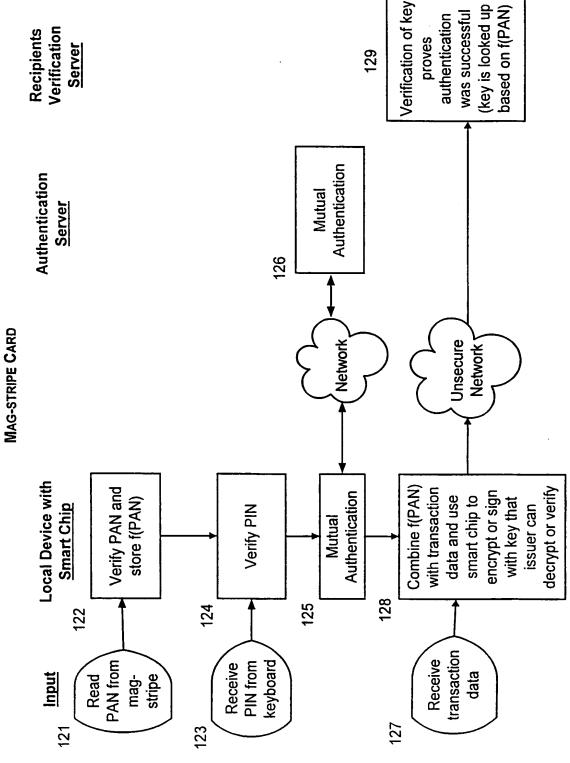
SMART CHIP AUTHENTICATION OF INFORMATION PRESENTED WITH A MAG-STRIPE CARD



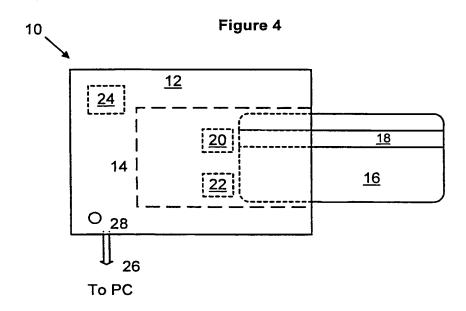
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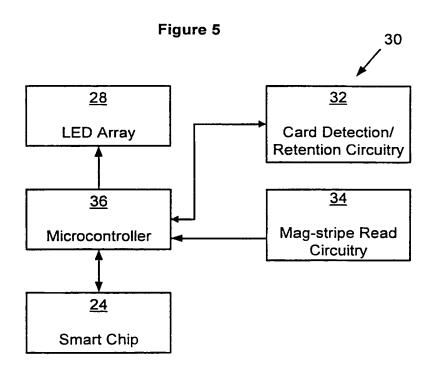
Figure 3

PAYMENT CARD TRANSACTION WITH SMART CHIP AND



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